CLAIM AMENDMENTS

1. (currently amended) A method for the provision of telecommunications services in an environment in which there are a plurality of systems working according to different standards [[(WLAN, UMTS)]] and reachable from a terminal [[(T)]] in an integrated way, ~~wherein~~ at least one of [[said]] the telecommunications services [[can]] being provided by several systems of [[said]] the plurality, [[said]] the method ~~being characterised in that it includes~~ comprising, with regard to the request of provision of [[said]] the at least one telecommunication service, the steps of: [[-]]

verifying the availability for the provision of the requested telecommunication service of at least a first [[(WLAN)]] and a second [[(UMTS)]] system of [[said]] the plurality, the first telecommunication system forming with respect to the second telecommunication system a resource to be exploited in a preferential way, and [[-]]

selecting, in an automatic and dynamic way, at least one between [[said]] the first [[(WLAN)]] and [[said]] the second [[(UMTS)]] system of [[said]] the plurality for the provision of the requested telecommunication service by subdividing the telecommunication services into

a first set of telecommunication services to te substantially provided through the second telecommunication system, and

a second set of telecommunication services to be provided through the first telecommunication system and the second telecommunication system,

b) in case of a request for provision of a telecommunication service from the first set, verifying the availability of the second telecommunication system for providing the telecommunication service of the first set as requested, supplying and not supplying respectively the telecommunication service of the first set through the second telecommunication system, depending on whether or not the second telecommunication system is available,

c) in case of a request for provision of a telecommunication service of the second set,

cl) verifying the availability of the first telecommunication system in order to provide the telecommunication service of the second set, as requested, and providing the telecommunication service of the second set, as requested, through the first telecommunication system, if the first telecommunication system is available,

c2) if the first telecommunication system is unavailable for transmission of the telecommunication service of the second set as requested, verifying the availability of the second telecommunication system to provide the telecommunication service of the second set, as requested, and providing and not providing the telecommunication service of the second set, as requested, depending on whether or not the second telecommunication system is available for provision of the telecommunication service of the second set, as requested.

2. (canceled)

3. (currently amended) The method as recited in claim 1 ~~2, characterised in that~~ wherein [[said]] the selecting step is carried out so as to find out, within [[said]] the first set, a subset of telecommunication services that could be provided in at least a condition of modified communication resources, ~~and by the fact that in~~ the presence [[(108)]] of a provision request for a telecommunication service of [[said]] the subset ~~, it includes~~ including the step of:

verifying [[(104)]] the unavailability of [[said]] the second telecommunication system [[(UMTS)]] for the provision of

[[said]] the telecommunication service of [[said]] the subset as requested and,

once [[said]] the unavailability has been verified, ~~the step of~~ re-negotiating [[(109)]] the provision request whereby [[said]] the telecommunication service of [[said]] the subset is again requested for the provision in a condition of modified communication resources.

4. (currently amended) The method as recited in claim 3 ~~2 or claim 3, characterised in that~~ wherein [[said]] the selecting step is carried out so as to lead, within [[said]] the second set, to a respective subset of telecommunication services that are deliverable in at least one condition of modified communication resources, and ~~in that~~, when there is [[(112)]] a provision request for a telecommunication service of [[said]] the respective subset, it comprises the steps of

verifying [[(114)]] the unavailability of at least one between [[said]] the first [[(WLAN)]] and [[said]] the second [[(UMTS)]] system for the provision of [[said]] the telecommunication service of [[said]] the respective subset as requested and,

after verifying [[said]] the unavailability [[(114,118)]], ~~the step of~~ re-negotiating [[(124)]] the provision request, ~~whereby~~ the provision of [[said]] the telecommunication

service of [[said]] the respective subset [[is]] being requested again in a condition of modified communication resources.

5. (currently amended) The method as recited in ~~claim 3 or~~ claim 4~~, characterised in that~~ wherein [[said]] the selecting step is carried out so as to be able to lead, within at least one between [[said]] the set and [[said]] the respective subset, to telecommunication services that may be provided under a plurality of conditions of modified communication resources, ~~and in~~ that the method ~~includes~~ further comprising the step of

repeatedly re-negotiating [[(109,124)]] the request for service provision under subsequently modified communication resources.

6. (currently amended) The method as recited in claim 1 ~~any of the previous claims 2 to 5, characterised in that~~ wherein [[said]] the selecting step comprises the step of subdividing [[said]] the telecommunication services into a first set comprising services of conversational class and a second set comprising services included in at least one class among the classes of streaming services, interactive services, and background services.

7. (currently amended) The method as recited in claim ~~4 and in claim~~ 6 ~~, characterised in that~~ wherein [[said]] the

~~respective subset of services of said~~ second set includes streaming class services.

8. (currently amended) The method as recited in ~~any of the previous claims, characterised in that~~ claim 1 wherein the selecting step is carried out by selecting [[said]] the systems in the group formed by the mobile communication systems.

9. (currently amended) The method as recited in claim 8~~, characterised in that~~ wherein the selecting step is carried out by selecting [[said]] the systems in the group formed by [[the]] UMTS, WLAN and 802.11 systems.

10. (currently amended) The method as recited in claim 1, further comprising ~~any of the previous claims, characterise in that it comprises~~ the step of

verifying the availability of [[said]] the first telecommunication system [[(WLAN)]] on the basis of a criterion of admission control of the users [[,]] by detecting the performance degradation of [[said]] the first telecommunication system as the number of users increases.

11. (currently amended) The method as recited in claim 10, ~~characterised in that it comprises~~ further comprising the steps of: [[-]]

detecting the total bit rate available to the active users on [[said]] the first telecommunication system [[(WLAN)]], and [[-]]

considering [[said]] the first telecommunication system as unavailable for a new user when the bit rate available upon the possible admission of the new user reaches a threshold value.

12. (currently amended) The method as recited in claim 1, further comprising ~~any of the previous claims, characterised in that it comprises~~ the step of

detecting the availability of [[said]] the second telecommunication system [[(UMTS)]], by defining a load parameter [[(η)]] of [[said]] the second telecommunication system and by considering [[said]] the second telecommunication system as unavailable when [[said]] the load parameter reaches a threshold value.

13. (currently amended) The method as recited in claim 12~~, characterised in that~~ wherein [[said]] the load parameter [[(η)]] is a parameter derived on the basis of "pole capacity."

14. (currently amended) A system for providing telecommunications services in an environment wherein a plurality of telecommunications systems are provided that operate according to different standards [[(WLAN, UMTS)]] and that may be accessed

from a terminal [[(T)]] in an integrated manner, ~~in which~~ at least one of [[said]] the telecommunication services [[is]] being deliverable by more than one of the telecommunications systems of [[said]] the plurality, the system being ~~characterised in that it incorporates a module (10)~~ capable, when there is a provision request for [[said]] the at least one telecommunication service, of co-operating with [[said]] the plurality of telecommunications systems ~~with the aim of~~ and comprising: [[-]]

means for verifying the availability for the provision of the telecommunication service requested, of at least a first [[(WLAN)]] and a second [[(UMTS)]] system of [[said]] the plurality of telecommunications systems, and [[-]]

means for selecting, in an automatic and dynamic way, between [[said]] the ~~telecommunications systems at least a~~ first [[(WLAN)]] and [[a]] the second [[(UMTS)]] system of [[said]] the plurality for the provision of the telecommunication service requested, the first system forming with respect the second system a resource to be exploited preferentially, the selecting means including

a) means for subdividing the telecommunication services into

a first set of telecommunication services to be substantially provided through the second telecommunication system, and

a second set of telecommunication services to be provided through the first telecommunication system and the second telecommunication system,

b) means for, in case of a request for provision of a telecommunication service from the first set, verifying the availability of the second telecommunication system for providing the telecommunication service of the first set as requested, supplying and not supplying respectively the telecommunication service of the first set through the second telecommunication system, depending on whether or not the second telecommunication system is available,

c) means for, in case of a request for provision of a telecommunication service of the second set,

c1) verifying the availability of the first telecommunication system in order to provide the telecommunication service of the second set, as requested, and providing the telecommunication service of the second set, as requested, through the first telecommunication system, if the

first telecommunication system is available,

c2) if the first telecommunication system is unavailable for transmission of the telecommunication service of the second set as requested, verifying the availability of the second telecommunication system to provide the telecommunication service of the second set, as requested, and providing and not providing the telecommunication service of the second set, as requested, depending on whether or not the second telecommunication system is available for provision of the telecommunication service of the second set, as requested.

15. (currently amended) The system as recited in claim 14 ~~, characterised in that said module (10) is~~ wherein the means are integrated into a controller ~~element~~ common to [[said]] at least a first ~~(WLAN)~~ and a second ~~(UMTS)~~ system of [[said]] the plurality.

16. (canceled)

17. (currently amended) The system as recited in claim ~~16, characterised in that~~ 15 wherein the means are ~~said module (10) is~~ configured to ~~conduct said~~ select ~~ing step so as said~~ such that the selection can lead to the presence, within [[said]] the first set, of a subset of telecommunication services deliverable in at least a condition of reduced communication resources, and ~~in that~~, in [[the]] case [[(108)]] of a provision request of a telecommunication service of [[said]] the subset, [[said]] the ~~module (10) is~~ means are configured to verify [[(104)]] the unavailability of [[said]] the second telecommunication system [[(UMTS)]] for the provision of [[said]] the telecommunication service of [[said]] the subset as requested, and, once [[said]] the unavailability has been verified, to re-negotiate [[(109)]] the provision request, ~~whereby said~~ the telecommunication service of [[said]] the subset [[is]] being requested again for the provision in a condition of reduced communication resources.

18. (currently amended) The system as recited in claim 14, the means being ~~16 or in claim 17, characterised in that the module (10) is~~ configured to ~~conduct said~~ select ~~ing step~~ in such a way that [[said]] the selection can lead, within [[said]] the second set, to a respective subset of telecommunication services [[,]] capable of being provided in at least a condition of reduced communication resources, and in that in [[the]] case [[(112)]] of a provision request for a telecommunication service of [[said]] the

respective subset, ~~said module (10) is~~ the means are configured to verify [[(114)]] the unavailability of at least one between [[said]] the first [[(WLAN)]] and second [[(UMTS)]] system for the provision of [[said]] the telecommunication service of [[said]] the respective subset as requested and, once [[said]] the unavailability [[(114,118)]] has been verified, to re-negotiate [[(124)]] the provision request ~~whereby the~~ such that provision of [[said]] the telecommunication service of [[said]] the respective subset is requested again in a condition of reduced communication resources.

19. (currently amended) The system as recited in ~~claim 17 or in~~ claim 18~~, characterised in that~~ wherein the means are ~~said module (10) is~~ configured to ~~conduct said~~ select ~~ing step~~ in such a way that [[said]] the selection can lead, within at least one between [[said]] the set and [[said]] the respective subset, to telecommunication services that can be provided in a plurality of conditions of modified communication resources, ~~and in that said the module (10) is~~ the means being configured to repeatedly re-negotiate [[(109,124)]] the request for telecommunication service provision under conditions of subsequently modified communication resources.

20. (currently amended) The system as recited in claim 14 wherein the means are ~~any of the previous claims 16 to 19,~~

~~characterised in that said the module (10) is~~ configured ~~in a way that said~~ to select ~~ing step can lead to~~ such that the ~~subdivision of [[said]] the telecommunication services into a~~ first set ~~comprising~~ comprises telecommunication services of conversational class and [[a]] the second set of telecommunication services ~~comprising~~ comprises telecommunication services included in at least one class among the classes of the streaming services, interactive services, and background services.

21. (currently amended) The system as recited in claim 18 ~~and claim 20, characterised in that~~ wherein [[said]] the ~~respective subset of~~ services of [[said]] the second set ~~comprises~~ are services of a streaming class.

22. (currently amended) The system as recited in ~~any of the previous~~ claim ~~s 14 to~~ 21 ~~, characterised in that said module (10) is~~ wherein the means are configured to co-operate with mobile communication systems, ~~such as said~~ including the telecommunications systems of [[said]] the plurality.

23. (currently amended) The system as recited in claim 14 wherein the means are ~~22, characterised in that said the module (10) is~~ configured to co-operate with telecommunications systems included in the group formed by [[the]] UMTS, WLAN and 802.11 systems.

24. (currently amended) The system as recited in claim 23 ~~, characterised in that said module (10) is~~ the means are integrated into a radio network type controller or RNC controller.

25. (currently amended) The system as recited in ~~any of the previous claims~~ claim 14 ~~to 24, characterised in that said module (10) is~~ wherein the means configured to verify the availability of [[said]] the first telecommunication system [[(WLAN)]] on the basis of a criterion of admission control of [[the]] users thereof [[,]] by detecting [[the]] performance degradation of [[said]] the first telecommunication system as the number of users increases.

26. (currently amended) The system as recited in claim 25 ~~, characterised in that said module (10) is~~ the means are configured to: [[-]]

detect the total bit rate available to the users active on [[said]] the first telecommunication system [[(WLAN)]], and [[-]]

consider [[said]] the first telecommunication system unavailable for a new user when the bit rate available following the possible admission of the new user reaches a threshold value.

27. (currently amended) The system as recited in ~~any of the previous claims~~ claim 14 ~~to 26 , characterised in that said module (10) is~~ wherein the means are configured to detect the availability of [[said]] the second telecommunication system [[(UMTS)]] by defining a load parameter [[(η)]] of [[said]] the second telecommunication system and by considering [[said]] the second telecommunication system as unavailable when [[said]] the load parameter reaches a threshold value.

28. (currently amended) The system as recited in claim 27~~, characterised in that~~ wherein [[said]] the load parameter [[(η)]] is a parameter derived on the basis of "pole capacity".

29. (currently amended) A computer program product that may be directly loaded in the internal memory of a digital computer and that comprises portions of software code to carry out the method according to ~~any of the claims~~ claim 1 ~~to 13,~~ when [[said]] the product is run on a computer.